

# Get Intune Assignments

Developed by

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## About

Get Intune Assignments is a C#.NET program developed for Intune to query MS Graph Information.

This App intends to retrieve all Intune Items Assignments.

The focus is to retrieve Assignments Items target an Azure AD Group.

You also can export the data to CSV file if you wish.

Please send me any feedback you want. This can help me to fix bugs and make better solutions to help everyone.

## Copyrights Warranty and Support

This App is totally **Free**. I created it for **personal purposes** and decided to share it with the community.

I created this app in my free time, and I don't have much, like most people, so I can't give support or warranty the

App will work like expected in your environment. Just trying to make my part in the world.

You are not required to use this. If you want to test it, I hope it can be useful.

## Requirements

**User access** to Intune and Azure Resources:

Users must have access to read All Intune Items and query for Azure AD Groups.

**Create/Register** an Azure App to Get Intune Assignments get data from the environment.

Follow the **Read Rights** the User and the Azure App may need:

**Directory.Read.All**

**DeviceManagementApps.Read.All**

**DeviceManagementConfiguration.Read.All**

**Group.Read.All**

**GroupMember.Read.All**

**Policy.Read.All**

**User.Read.All**

## Document Version

This document was updated on **September 26, 2022**.

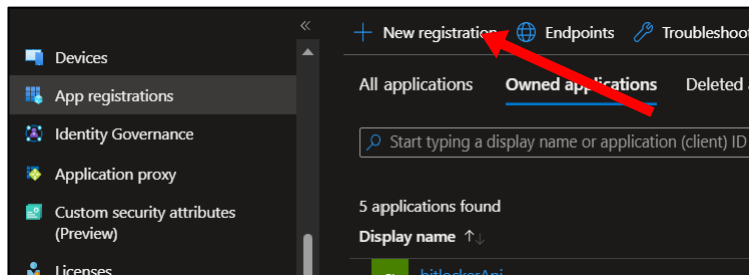
## Creating an App Registration on your Azure AD.

The Get Intune Assignments Application uses an **App Registered** to get MS Graph Token Authentication to be able to query your Intune and Azure Environment.

### Note

You can use any App you already have if your App have the Read Permissions Required.

Log in to the Azure Portal for your subscription, and go to the [App Registrations](#) Blade. Click **New registration** to create an Azure AD Application:



Give a **Name** for your application i.e., "GetIntuneAssignments"

Select the **Supported account types** i.e., "Accounts in this organizational directory only (YOURDOMAIN.COM only - Single tenant)"

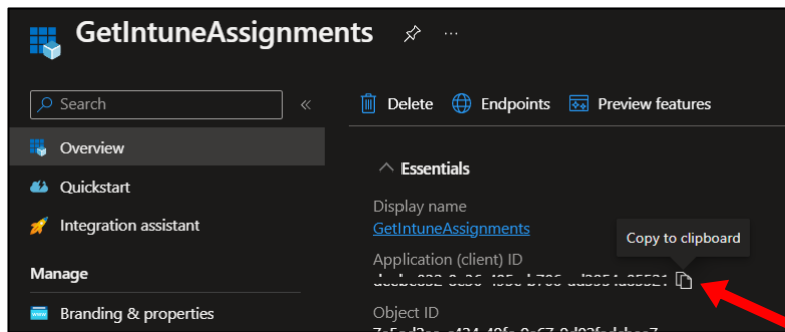
At **Redirect URI** (optional) choose **Public client/native (mobile & desktop)** and enter the following address:

"<https://login.microsoftonline.com/common/oauth2/nativeclient>"

Click the **Register** button.

A screenshot of the 'Register an application' form in the Azure Portal. The form has a title 'Register an application' and a subtitle 'The user-facing display name for this application (this can be changed later)'. The 'Name' field is filled with 'GetIntuneAssignments' and has a green checkmark. Below it, the 'Supported account types' section has four radio button options. The first option, 'Accounts in this organizational directory only (SIDS.COM only - Single tenant)', is selected and highlighted with a red arrow. The 'Redirect URI (optional)' section has two fields. The first field is 'Public client/native (mobile ...)' and the second field is 'https://login.microsoftonline.com/common/oauth2/nativeclient', which is highlighted with a red arrow. At the bottom, there is a 'Register' button highlighted with a red arrow. A red arrow also points to the 'Name' field. At the bottom of the form, there is a link 'By proceeding, you agree to the Microsoft Platform Policies'.

After creating/registering the App. **Copy** your **Application (client) ID**:



## Starting with Get Intune Assignments Application.

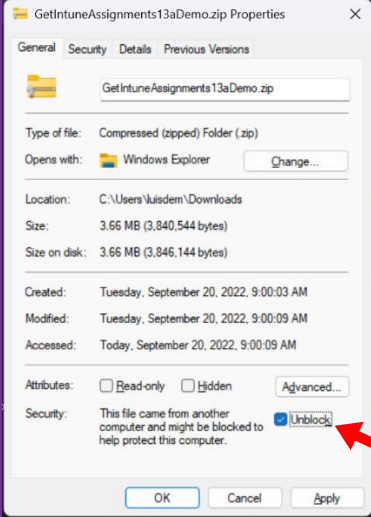
Go to the **Folder** where you **download** the **Get Intune Assignments** Application:

First, check if the Zip file you downloaded is not **Locked**.

**Note**

When the file is downloaded from internet  
It can be blocked for safety.  
Check if your Zip file is not **Blocked**:

**Before Extract**  
Right click on the file  
Go to the **Properties**  
Uncheck the “**Unblock**” checkbox if need  
Click **Ok**.  
Then, you can extract the content.

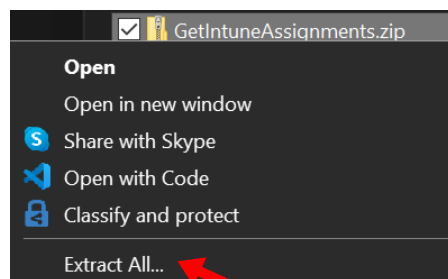


Extract Get Intune Assignments App from zip file

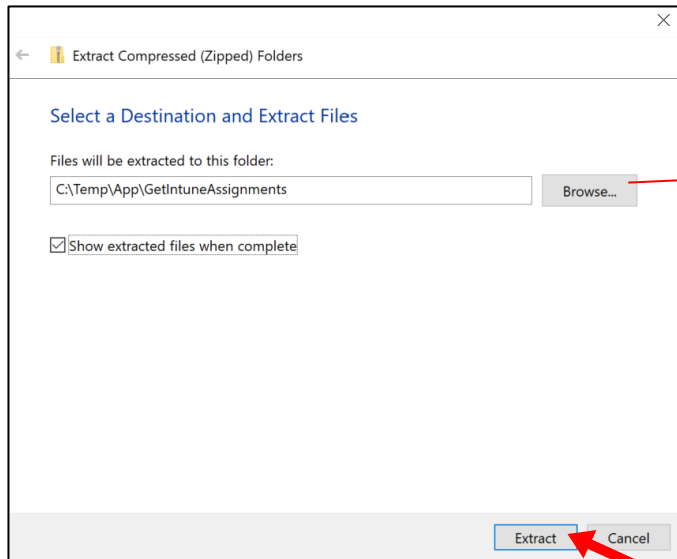
You can use any tool you want for this.

Here is how to use **Windows Compressed Folder** to extract:

Right click on the File and Click on **Extract All...**

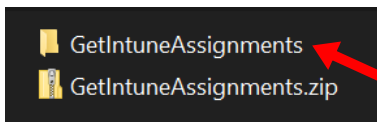


In the wizard window hit **the Extract** button and wait to complete.



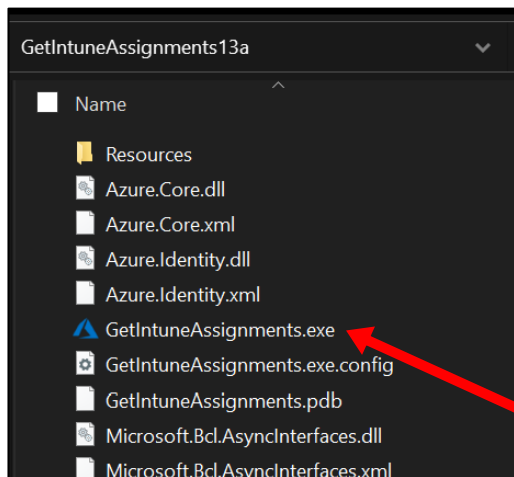
You can Browse for another folder if you wish.

Will be created a new **folder** at directory you choose:



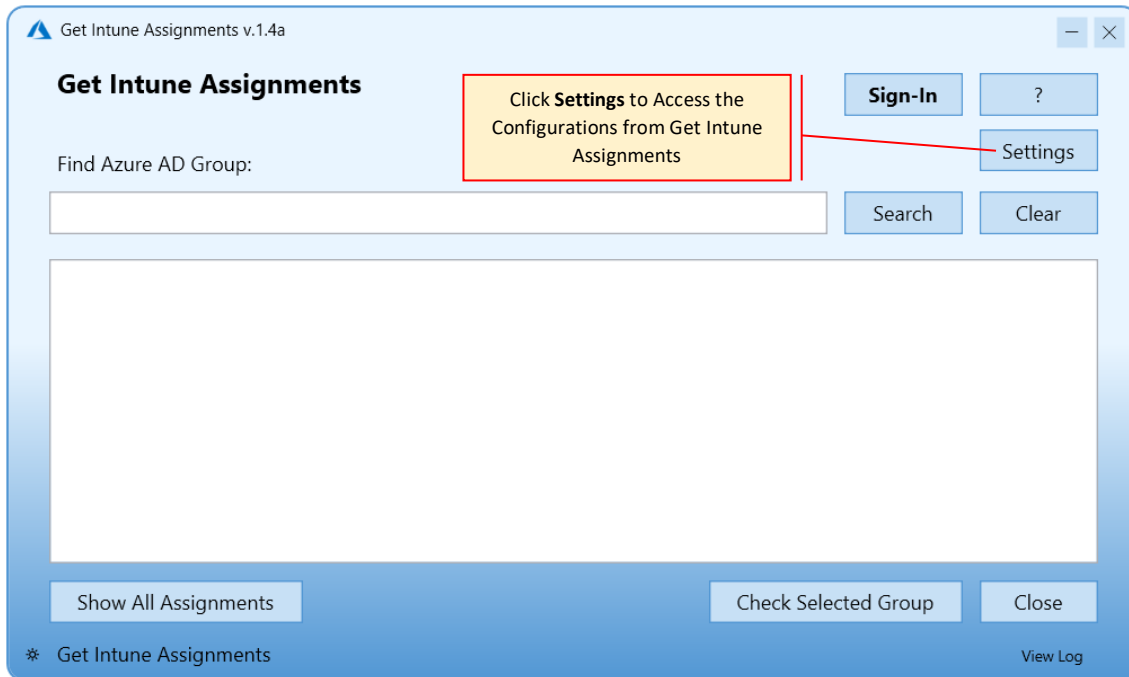
Open this folder and locate  GetIntuneAssignments.exe

Double click to run the Application

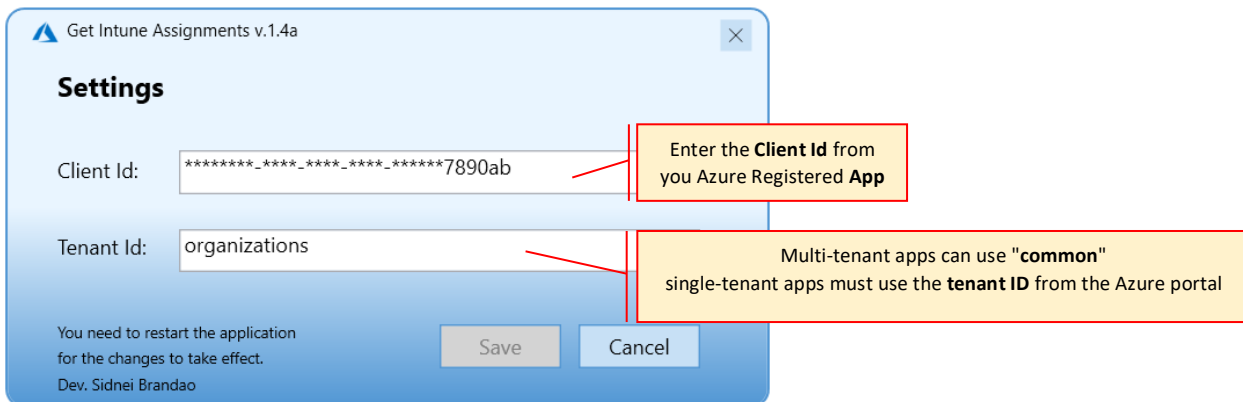


## Configuring Get Intune Assignments Application.

In the Main Windows from **Get Intune Assignments** clique the **Settings** Button.

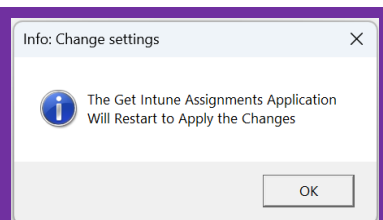


Enter your **Client** and **Tenant Id** and **Save** the Settings.



### Note

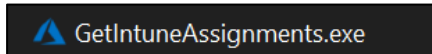
Be sure to enter the correct application (Client) Id from your app to Get Intune Assignments Work properly. Get Intune Assignments will **Restart** for the changes take Effect.



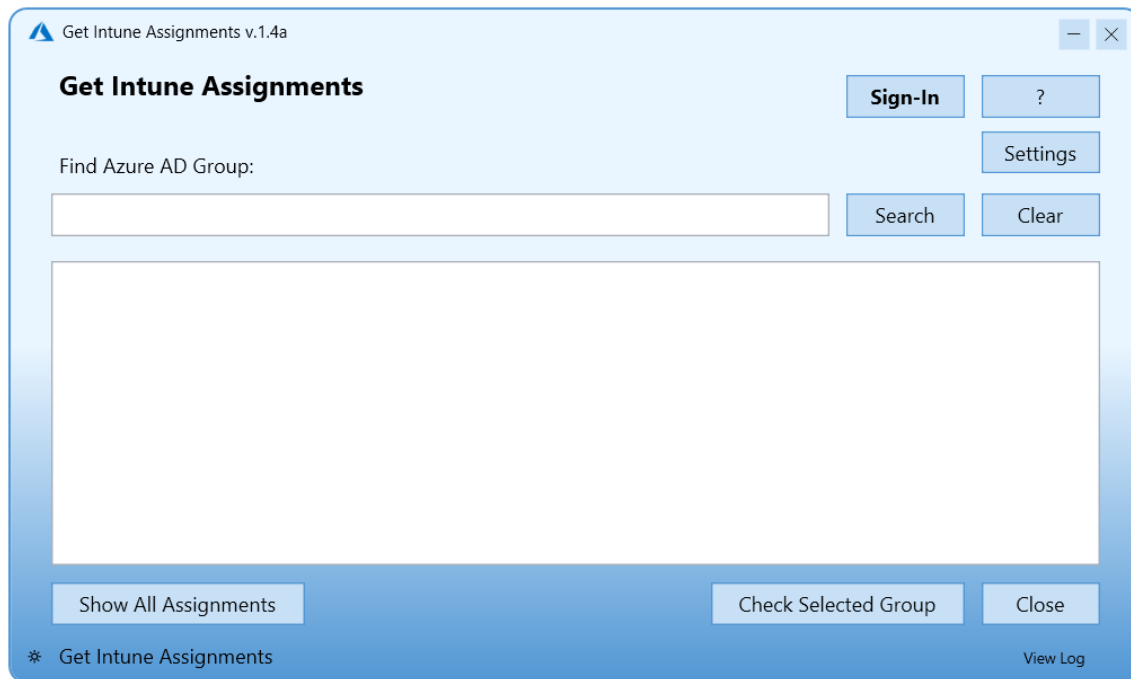
## Running Get Intune Assignments Application.

After setting your **Client ID** you can now **Run** the **application**.

Just Execute **GetIntuneAssignments.exe**

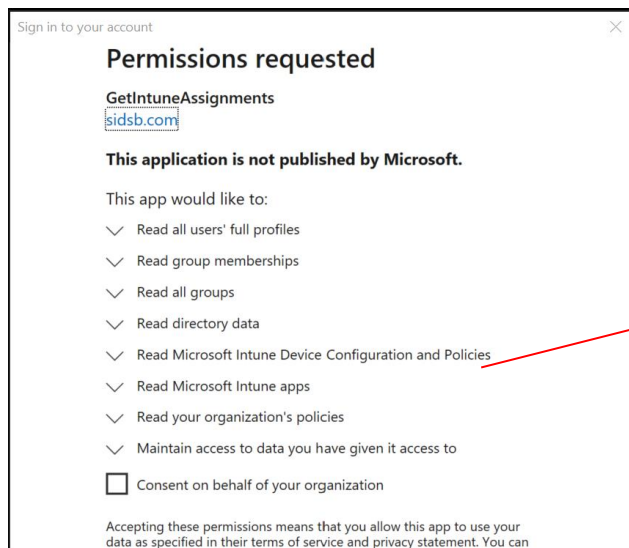


The Application will start:



You can click on **Sign-In** Button and enter your **Azure AD User** who have **Rights** to **read Intune** objects.

**First Time Sign-In**, the Permission dialog box will ask you to **Consent the permissions**.



### Note

**ALL Permissions** application needs is set to **READ**.  
Get Intune Assignments **Can't** and **Won't** change anything in  
your environment.

Confirm everything is **READ** permissions.

Check **“Consent on behalf of your organization”** and click **Accept Button**

☐ Read Microsoft Intune apps

☐ Read your organization's policies

☐ Maintain access to data you have given it access to

☒ Consent on behalf of your organization

If you accept, this app will get access to the specified resources for all users in your organization. No one else will be prompted to review these permissions.

Accepting these permissions means that you allow this app to use your data as specified in their terms of service and privacy statement. You can change these permissions at <https://myapps.microsoft.com>. [Show details](#)

Does this app look suspicious? [Report it here](#)

Cancel

Accept

### Note

Get Intune Assignments needs **Read Only** permissions.  
The App will **NEVER** change anything in your environment.

After Consent you can see the user is Signed In

Get Intune Assignments v.1.4a

**Get Intune Assignments**

Welcome sidnei@sidsb.com

Sign-Out

?

Settings

Search

Clear

Find Azure AD Group:

Show All Assignments

Check Selected Group

Close

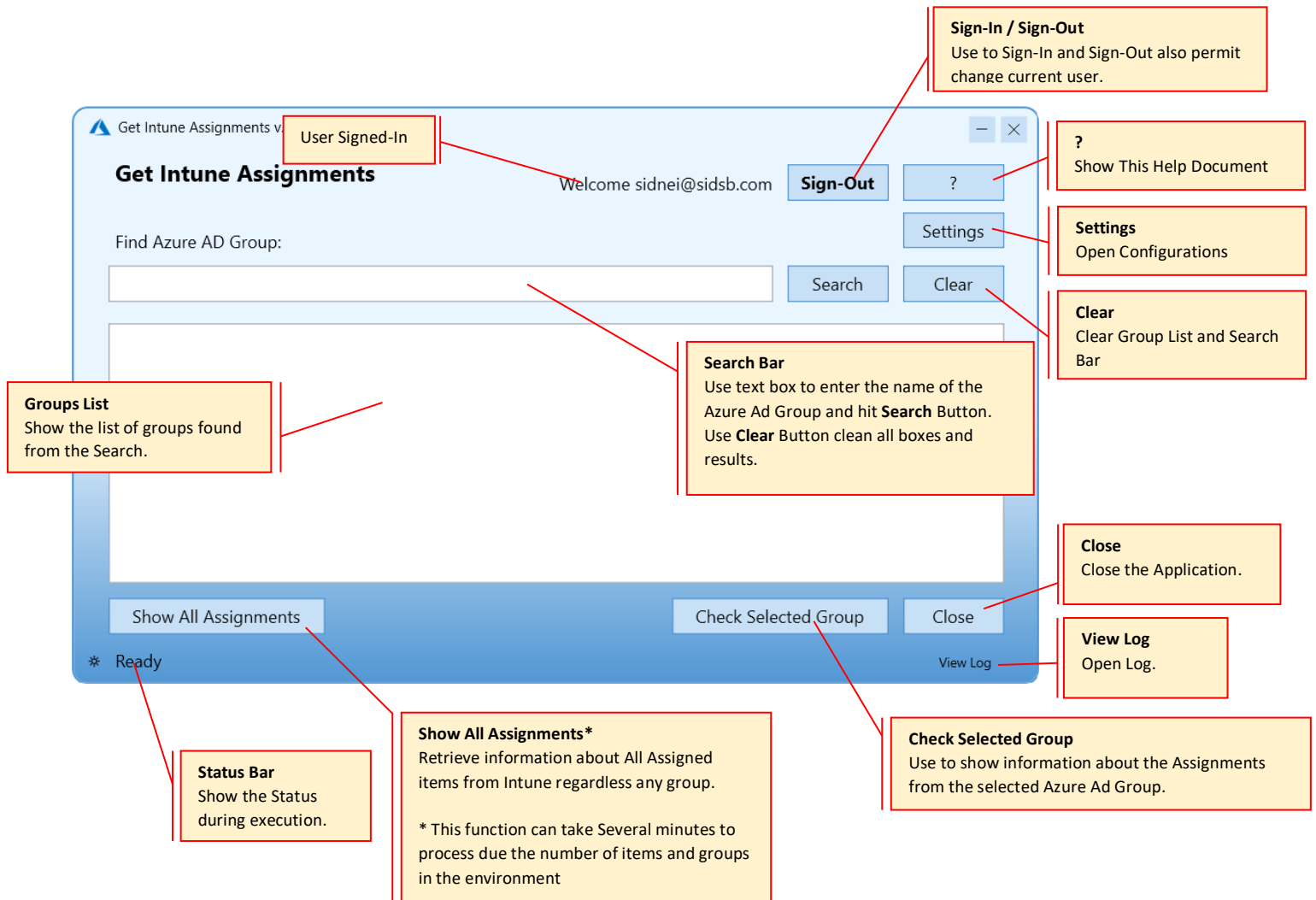
\* Ready

View Log

Get Intune Assignments Application is ready to use.



## Interface Elements on Get Intune Assignments Application.



## How to retrieve Information from specific Azure AD Group.

Type any string to search for a Azure AD Group and hit **Search** Button:

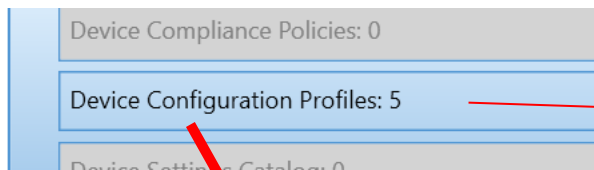
After searching, select an Azure AD Group you want to retrieve Information then Click **Check Selected Group**

The screenshot shows the 'Get Intune Assignments v.1.4a' application window. At the top, it says 'Welcome sidnei@sidsb.com' with 'Sign-Out', '?', and 'Settings' buttons. Below this is a search section with the label 'Find Azure AD Group:' and a text input field containing 'autopilot'. A red box highlights the input field with the text 'Name or string to search for Azure Ad Groups'. To the right of the input field are 'Search' and 'Clear' buttons. Below the input field is a list of search results: 'Intune Autopilot Devices - Self-Deploying', 'Intune Autopilot Devices - User-Driven', 'Intune Autopilot Devices - User-Driven Pre Provisioned', 'Intune Autopilot Devices Dynamic' (which is highlighted), and 'Intune AutoPilot Users'. A red box points to the highlighted item with the text 'Selected Group'. At the bottom of the window are three buttons: 'Show All Assignments', 'Check Selected Group' (pointed to by a red box with the text 'Clique to retrieve information from Selected Group'), and 'Close'. The status bar at the very bottom shows '\* Ready' and 'View Log'.

A new window comes Up showing the retrieved information:

The screenshot shows the 'Checking Intune Assignments v.1.4a' application window. At the top, it says 'AAD Group: Intune Autopilot Devices Dynamic'. Below this is a list of assignment categories and counts: 'Administrative Templates: 0', 'Applications: 2' (pointed to by a red box with the text 'Two Application are assigned to the Selected group'), 'App Configuration Policies: 0', 'App Protections Policies: 0', 'Contional Access Policies: 0', 'Device Compliance Policies: 0', 'Device Configuration Profiles: 5' (pointed to by a red box with the text 'Five Configuration Profiles are assigned to the Selected group'), 'Device Settings Catalog: 0', 'Endpoint Security Policies: 0', and 'PowerShell Scripts: 1'. A red box points to the 'Applications: 2' entry with the text 'This window shows How many assignments was found target the selected group. Note if none was found you will see "0" objects'. At the bottom of the window are three buttons: 'Export' (pointed to by a red box with the text 'Export Use to Export result to a file'), 'Close' (pointed to by a red box with the text 'Close Close the current Window'), and a 'Close' button. The status bar at the very bottom shows '\* Ready' and 'View Log'.

To see the information about the Assignments, click on the Item you want:



Click at **Device Configuration Profile** to see details

A screenshot of a window titled 'Get Intune Assignments v.1.4a'. The window has a blue header bar with the title and a close button. Below the header, the text 'Showing Device Configuration Profiles Assignments' is displayed. Underneath, it says 'AAD Group: Intune Autopilot Devices Dynamic'. A table with three columns: 'Display Name', 'Created Date', and 'Last Modified' is shown. The table contains five rows of data. Below the table is a scrollable area with a scrollbar. At the bottom right of the window is a 'Close' button. A red arrow points from the 'Device Configuration Profiles: 5' item in the sidebar to the window title bar.

Display Name	Created Date	Last Modified
Win 10 - Telemetry - Configuring Microsoft Endpoint Manager devices for Update Compliance	29/08/2022 15:01:49	29/08/2022
Win 10 Enable Autopilot Reset from LockScreen	17/08/2022 14:33:33	17/08/2022
Win 10 Enable Azure Active Directory self-service password reset at the Windows sign-in screen	17/08/2022 14:43:42	17/08/2022
Win10 Upgrade to Enterprise Edition	02/06/2021 17:46:56	02/06/2021
Windows Hello for Business	14/04/2021 11:35:21	14/04/2021

Name from selected Azure AD Group

Information about the Device Configuration Profiles assignments in the Selected Group

Close

Close the current Window

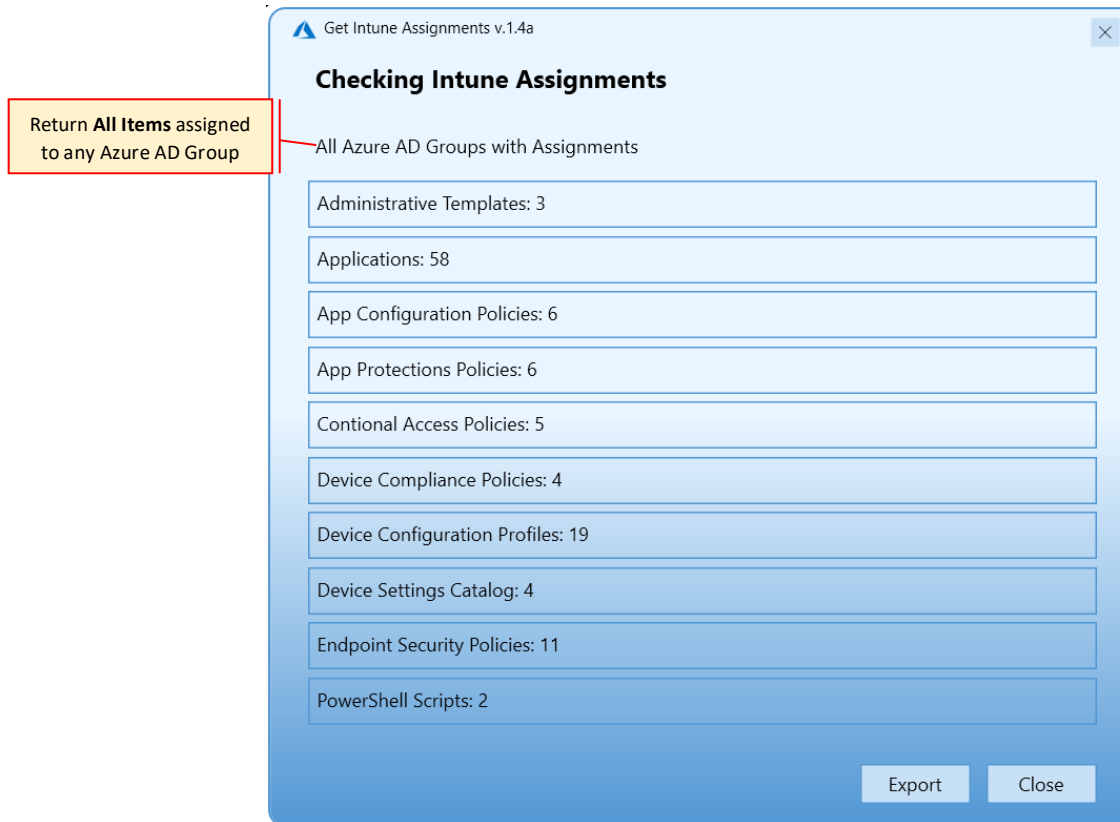
## Retrieving Information from All Intune Assignments.

Is possible to retrieve all Intune Assignments regardless of the Azure AD Group Selected.

You don't need to search for a group.

Just click the button

Show All Assignments



### Note

Get Intune Assignments will bring Only items that are assigned in some Azure AD Group.

### Note

Keep in mind this action can take **Several minutes** to complete depending on the number of Items and groups in the environment.

## Version History

ver. 0.0a - 2022/15/06

Just a bunch of command line scripts in PowerShell to get Configuration Profiles and Apps.

ver. 0.0b - 2022/05/07

New scripts to get Compliance Policies

ver. 0.1a - 2022/27/07

The First version with GUI.

Added Administrative Templates and Device Catalogs

ver. 0.1b - 2022/22/08

The First version who actually worked.

Possible to retrieve the follow assigned items from Intune:

- Administrative Templates
- Applications
- Device Compliance Policies
- Device Configuration Profiles
  - Delivery Optimization
  - Device Restrictions
  - Custom
  - Identity Protection
  - Trusted Certificate
- Device Settings Catalogs
- PowerShell Scripts

Function to search and retrieve from the selected group

Function to retrieve all Assigned items (from the list above) from Intune regardless any group

ver. 0.1c - 2022/24/08

Removed the need for AzureAD Module

Increase speed in Groups query

BUG Fix

- Fix two requests of authentications
- GUI fixes and improvements
- If a new group was created with Script running was not possible to find the new group
- Fix limit of 100 groups on search
- Fix description column position

ver. 0.2b - 2022/25/08

Added Endpoint Security Policies

BUG Fix

- Minor errors fixed

ver. 1.0a - 2022/30/08

Starting to rebuild in C# .NET framework 4.8

Created the Main Form

Function to search AAD Groups

Function to Check Adm Templates

ver. 1.1a - 2022/02/09

Added Functions:

- Applications
- Device Compliance Policies

BUG Fix

- Fixed interface commands to Search
- Enhanced GUI objects
- Minor errors fixed

ver. 1.2a - 2022/02/08

Added Functions:

- Applications
  - Device Compliance Policies
  - Device Configuration Profiles
  - Device Settings Catalog
  - Endpoint Security Policies
- BUG Fix
- Fixed Dialog Windows
  - Minor errors fixed

ver. 1.2b - 2022/02/10

First beta version using C#.Net

Added Functions:

- PowerShell Scripts
- Conditional Access
- Created Sign-Out Function
- Created writeLog Function

ver. 1.3a - 2022/02/14

Created Help function and Doc.

Added Functions:

- Show All Intune Assignments Regardless Azure AD Group
- Export to CSV File

BUG Fix

- Fixed error on export Applications with Description in Multiline
- Minor errors fixed

Released this version to Alpha Test

ver. 1.3b - 2022/02/20

First released Beta Version

Created Settings Dialog to Configure Client ID and Tenant

Dark Theme

Created customized Title Bar

Added Functions:

- App Configuration Policies
- App Protection Policies

BUG Fix

- Fixed Alphabetical in results

ver. 1.4a - 2022/02/23

Graphical Interface enhancements

New title bar and window visuals

Added Functions:

- Auto Restart when changing Settings

BUG Fix

- Windows position in current monitor
- Save config file just if was changed
- Export to file now include all Items
- Fixed Messages Box to show correct information
- Minor bugs fixed